

FIGURE 1A

The diagram illustrates a fiber-optic sensor system. A fiber optic cable (100) is shown with an actuator (102) at one end. The cable is divided into sections: a 50/50 coupler (104) leading to a detector (106), and another 50/50 coupler (124) leading to a PD signal detector (138). The cable is also connected to a distance M1 actuator (140). The diagram includes labels for 'Deformation tensile elongation' (15), 'Distance M1 Actuated' (13), and various points (A, B, C, D, E, F, G). The entire system is labeled 'INSTRUMENT'.

FIGURE 1 *B*

Figure 2

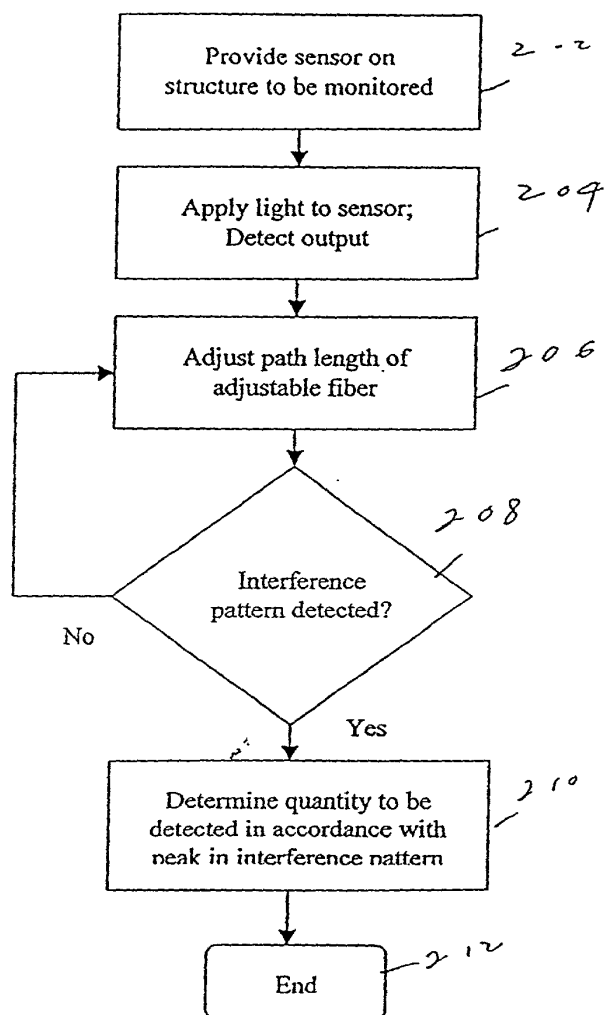


Fig. 3A

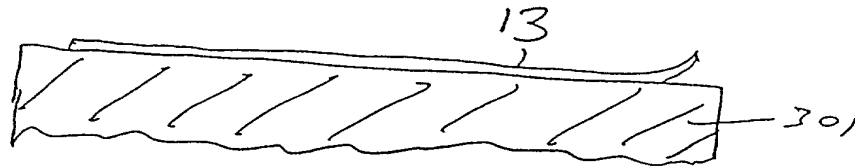


Fig. 3B

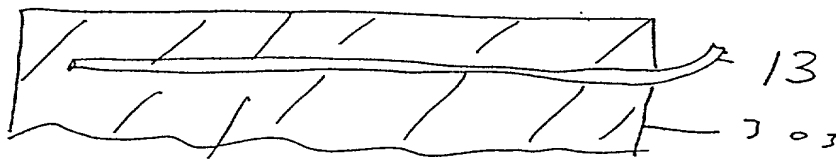
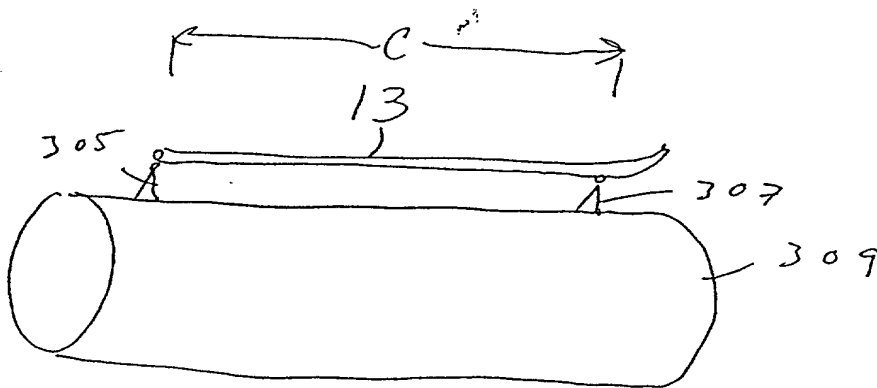
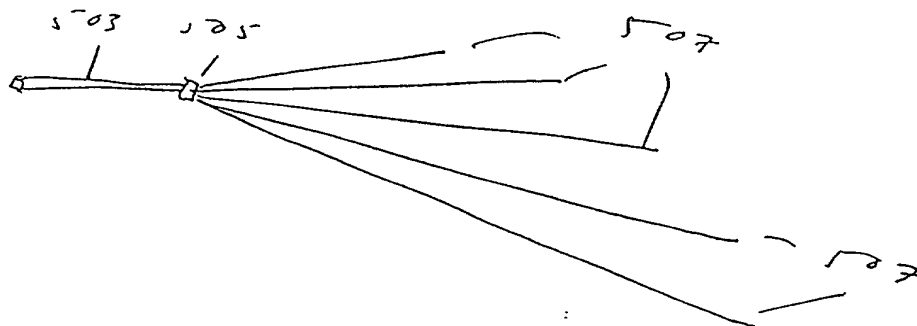


Fig. 3C





5012 Fig. 5A



5112 Fig. 5B

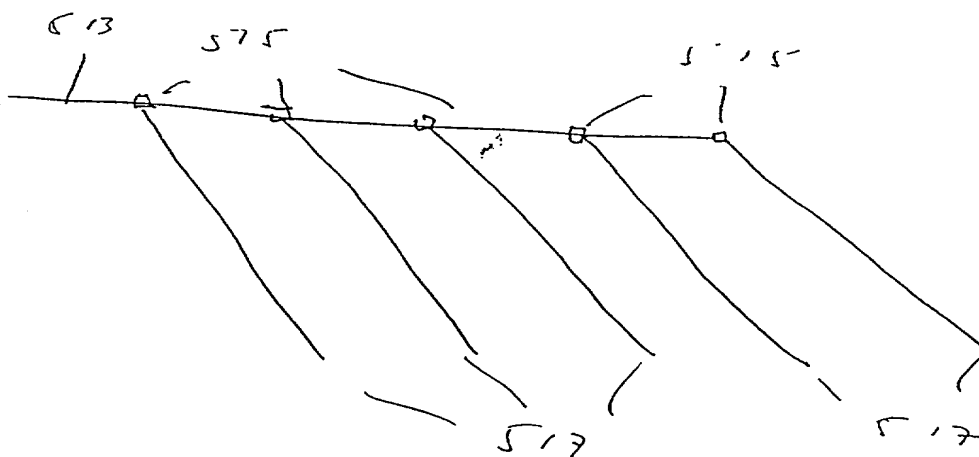


Fig-6

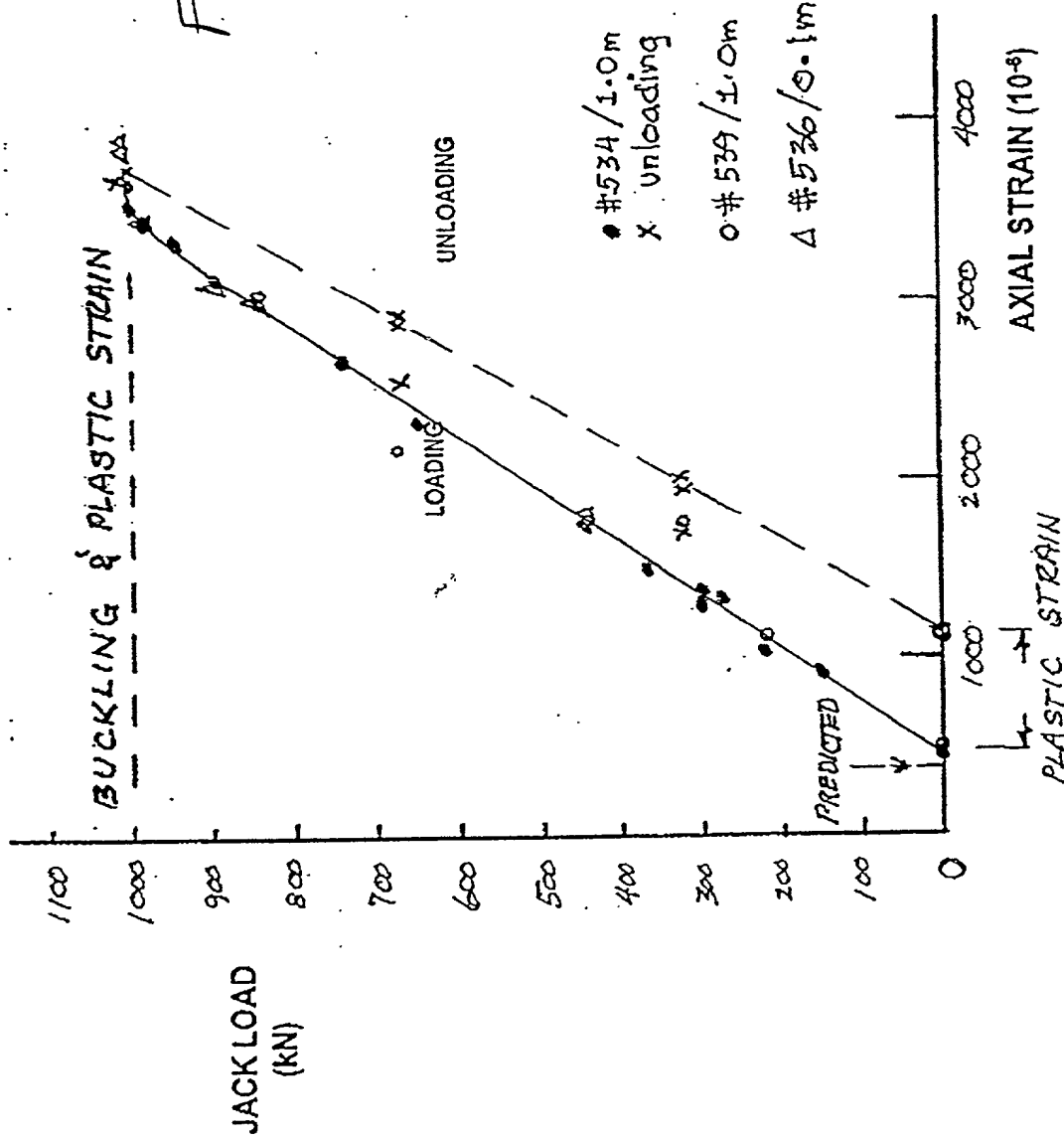


Fig. 7

